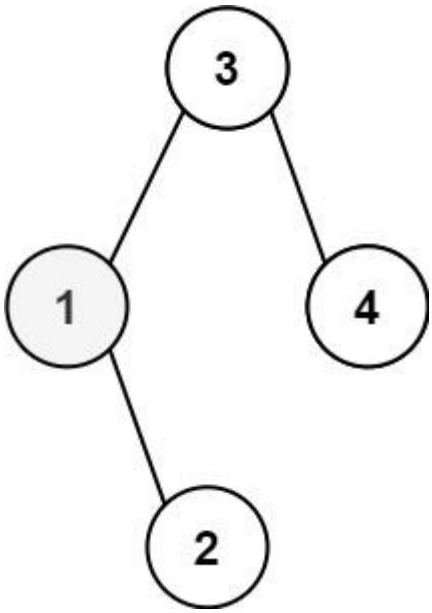
Kth Smallest Element in a BST (View)

Given the `root` of a binary search tree, and an integer `k`, return *the* `k^th` *smallest value (**1-indexed**) of all the values of the nodes in the tree*.

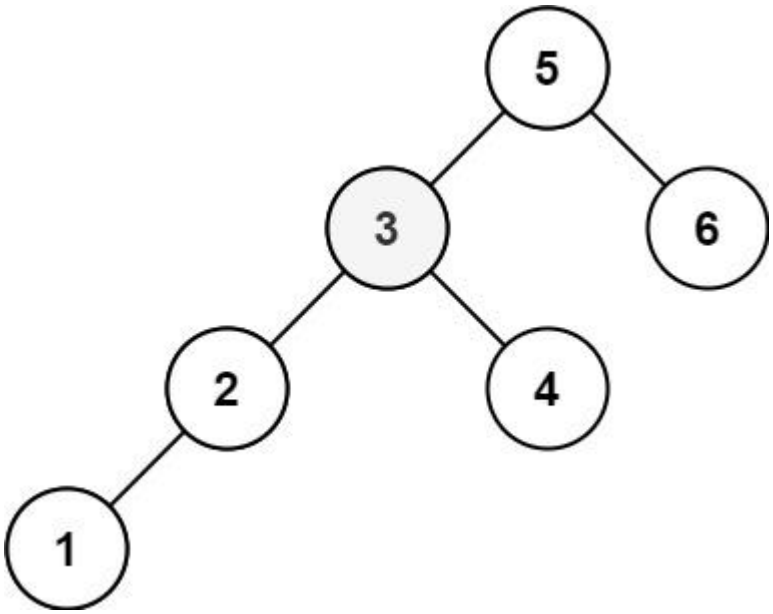
Example 1:




```
Input: root = [3,1,4,null,2], k = 1

Output: 1
```

Example 2:




```
Input: root = [5,3,6,2,4,null,null,1], k = 3

Output: 3
```

Constraints:

- The number of nodes in the tree is `n`.
- `1 <= k <= n <= 10⁴`
- `0 <= Node.val <= 10⁴`